



Sheet 1 of 6

Form 1449\*

Atty. Docket No.: 957.001US1

Serial No. 09/345,815

INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT

Applicant: Fatih M. Uckun

(Use several sheets if necessary)

Filing Date: June 30, 1999

Group: 1643

## U.S. PATENT DOCUMENTS

**Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
PAR	4,559,157	12/17/1985	Smith et al.	252	90	04/21/83
PAR	4,608,392	08/26/1986	Jacquet et al.	514	844	08/28/84
PAR	4,820,508	04/11/1989	Wortzman	424	59	06/23/87
PAR	4,938,949	07/03/1990	Borch et al.	424	10	09/12/88
PAR	4,992,478	02/12/1991	Geria	514	782	04/04/88

## FOREIGN PATENT DOCUMENTS

**Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation Yes   No
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## OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

**Examiner Initial	Angel, P., et al., "Onogene <i>jun</i> encodes a sequence-specific trans-activator similar to AP-1", <u>Nature</u> , 332 (6160), pp. 166-171, (Mar. 10, 1988)
PAR	Aoki, Y., et al., "Bruton Tyrosine Kinase is Tyrosine Phosphorylated and Activated in pre-B Lymphocytes and receptor-ligated B cells", <u>Proceedings of the National Academy of Sciences</u> , 91 (22), pp. 10606-10609, (Oct. 25, 1994)
PAR	Bohmann, D., et al., "Human Proto-Oncogene c-jun Encodes a DNA Binding Protein with Structural and Functional Properties of Transcription Factor AP-1", <u>Science</u> , 238, pp. 1386-1392, (Dec. 4, 1987)
PAR	Chae, H.P., et al., "Role of Tyrosine Phosphorylation in Radiation-Induced Activation of c-jun Protooncogene in Human Lymphohematopoietic Precursor Cells <sup>1</sup> ", <u>Cancer Research</u> , 53 (3), pp. 447-451, (Feb. 1, 1993)
PAR	Chen, Y., et al., "The Role of c-Jun N-terminal Kinase (JNK) in Apoptosis Induced by Ultraviolet C and $\gamma$ Radiation", <u>The Journal of Biological Chemistry</u> , 271 (50), pp. 31929-31936, (Dec. 13, 1996)
PAR	Chomczynski, P., et al., "Single-Step Method of RNA Isolation by Acid Guanidinium Thiocyanate-Phenol-Chloroform Extraction", <u>Analytical Biochemistry</u> , 162 (1), pp. 156-159, (April 1987)
PAR	Colotta, F., et al., "Expression and Involvement of c-fos and c-jun Protooncogenes in Programmed Cell Death Induced by Growth Factor Deprivation in Lymphoid Cell Lines", <u>The Journal of Biological Chemistry</u> , 267 (26), pp. 18278-18283, (Sept. 15, 1992)

Examiner

Date Considered

12/6/99

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## OTHER DOCUMENTS

\*\*Examiner  
Initial

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PAR	Danial, N.N., et al., "Jak-STAT Signaling Induced by the v-abl Oncogene", <u>Science</u> , 269, pp. 1875-1877, (Sept. 29, 1995)
PAR	Derijard, B., et al., "JNK1: A Protein Kinase Stimulated by UV Light and Ha-Ras That Binds and Phosphorylates the c-Jun Activation Domain", <u>Cell</u> , 76 (6), pp. 1025-1037, (Mar. 25, 1994)
PAR	Dibirdik, I., et al., "Stimulation of Src Family Orotein-tyrosine Kinases as a Proximal and Mandatory Step for SYK Kinase-dependent Phospholipase Cy2 Activation in Lymphoma B Cells Exposed to Low Energy Electromagnetic Fields", <u>The Journal of Biological Chemistry</u> , 273 (7), pp. 4035-4039, (Feb. 13, 1998)
PAR	Dosch, J., et al., "Induction of c-fos, c-jun, junB and junD mRNA and AP-1 by alkylating mutagens in cells deficient and proficient for the DNA repair protein O <sup>6</sup> -methylguanine-DNA methyltransferase (MGMT) and its relationship to cell death, mutation induction and chromosoma", <u>Onogene</u> , 13 (9), pp. 1927-1935, (Nov. 1996)
PAR	Gurniak, C.B., et al., "Murine JAK3 is Preferentially Expressed in Hematopoietic Tissues and Lymphocyte Precursor Cells", <u>Blood</u> , 87 (8), pp. 3151-3160, (April 15, 1996)
PAR	Ham, J., et al., "A c-Jun Dominant Negative Mutant Protects Sympathetic Neurons against Programmed Cell Death", <u>Neuron</u> , 14 (5), pp. 927-939, (May 1995)
PAR	Hanissian, S.H., et al., "Jak3 Is Associated with CD40 and Is Critical for CD40 Introduction of Gene Expression in B Cells", <u>Immunity</u> , 6 (4), pp. 379-387, (April 1997)
PAR	Hibbs, M.L., et al., "Multiple Defects in the Immune System of Lyn-Deficient Mice, Culminating in Autoimmune Disease", <u>Cell</u> , 83 (2), pp. 301-311, (Oct. 20, 1995)
PAR	Hibi, M., et al., "Identification of an oncoprotein-and UV-responsive protein kinase that binds and potentiates the c-Jun activation domain", <u>Genes &amp; Development</u> , 7 (11), pp. 2135-2148, (Nov. 1993)
PAR	Hoffman, S.M., et al., "JAK3 Maps to Human Chromosome 19p12 within a Cluster of Proto-oncogenes and Transcription Factors", <u>Genomics</u> , 43, pp. 109-111, (1997)

Examiner

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## OTHER DOCUMENTS

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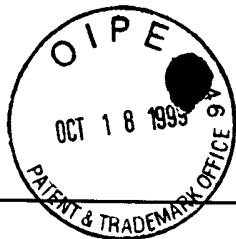
\*\*Examiner  
Initial

PAR	Ihle, J.N., "Janus kinases in cytokine signalling", <u>Philosophical Transactions: Biological Sciences</u> , 351 (1336), pp. 159-166, (Feb. 29, 1996)
PAR	Jugloff, L.S., et al., "Cross-linking of the IgM Receptor Induces Rapid Translocation of IgM-Associated Ig $\alpha$ , Lyn, and Syk Tyrosine Kinases to the Membrane Skeleton <sup>1</sup> ", <u>The Journal of Immunology</u> , 159 (3), pp. 1096-1106, (Aug. 1, 1997)
PAR	Karin, M., et al., "AP-1 Function and Regulation", <u>Current Opinion in Cell Biology</u> , 9 (2), pp. 240-246, (April 1997)
PAR	Kharbanda, S.M., et al., "Transcriptional Regulation of c-jun Gene Expression by Arabinofuranosylcytosine in Human Myeloid Leukemia Cells", <u>The Journal of Clinical Investigation</u> , 86 (5), pp. 1517-1523, (Nov. 1990)
PAR	Kumar, A., et al., "Structural Organization and Chromosomal Mapping of JAK3 Locus", <u>Onogene</u> , 13 (9), pp. 2009-2014, (Nov. 7, 1996)
PAR	Kurosaki, T., "Molecular Mechanisms in B Cell Antigen Receptor Signaling", <u>Current Opinion in Immunology</u> , 9 (3), pp. 309-318, (June 1997)
PAR	Kurosaki, T., et al., "Role of the Syk Autophosphorylation Site and SH2 Domains in B Cell Antigen Receptor Signaling", <u>The Journal of Experimental Medicine</u> , 182 (6), pp. 1815-1823, (Dec. 1, 1995)
PAR	Law, D.A., et al., "B-Cell Antigen Receptor Motifs have Redundant Signalling Capabilities and Bind the Tyrosine Kinases PTK72, Lyn and Fyn", <u>Current Biology</u> , 3 (10), pp. 645-657, (Oct. 1, 1993)
PAR	Leonard, W.J., "STATs and Cytokine Specificity", <u>Nature Medicine</u> , 2 (9), pp. 968-969, (Sept. 1996)
PAR	Levy, D.E., "The House that JAK/STAT Built", <u>Cytokine &amp; Growth Factor Reviews</u> , 8 (1), pp. 81-90, (March 1997)
PAR	Mitchell, P.D., et al., "Transcriptional Regulation in Mammalian Cells by Sequence-Specific DNA Binding Proteins", <u>Science</u> , 245, pp. 371-378, (July 21, 1989)
PAR	Musti, A.M., et al., "Reduced Ubiquitin-Dependent Degradation of c-jun After Phosphorylation by MAP Kinases", <u>Science</u> , 275, pp. 400-402, (Jan. 17, 1997)

Examiner 	Date Considered 12/6/99
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\*Substitute Disclosure Statement Form (P10-1449)

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## OTHER DOCUMENTS

\*\*Examiner  
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PAR	Myers, D.E., et al., "Membrane-associated CD19-LYN complex is an endogenous p53-independent and Bcl-2-independent regulator of apoptosis in human B-lineage lymphoma cells", <u>Proceedings of the National Academy of Sciences</u> , 92 (21), pp. 9575-9579, (Oct. 10, 1995)
PAR	Neuberg, M., et al., "A Fos protein containing the Jun leucine zipper forms a homodimer which binds to the AP1 binding site", <u>Nature</u> 341 (6239), pp. 243-245, (Sept. 21, 1989)
PAR	Nomoto, Y., et al., "Studies on Cardiotonic Agents. I. Synthesis of Some Quinazoline Derivatives", <u>Chemical &amp; Pharmaceutical Bulletin</u> , 38 (6), pp. 1591-1595, (June 1990)
PAR	Nosaka, T., et al., "Defective Lymphoid Development in Mice Lacking Jak3", <u>Science</u> , 270, pp. 800-802, (Nov. 3, 1995)
PAR	Qin, S., et al., "Syk-dependent and -independent Signaling Cascades in B Cells Elicited by Osmotic and Oxidative Stress", <u>The Journal of Biological Chemistry</u> , 272 (4), pp. 2098-2103, (Jan. 24, 1997)
PAR	Riedy, M.C., et al., "Genomic Sequence, Organization, and Chromosomal Localization of Human JAK3", <u>Genomics</u> , 37 (1), pp. 57-61, (Oct. 1, 1996)
PAR	Rolling, C., et al., "IL4 and IL13 Receptors share the $\gamma$ c chain and activate STAT6, STAT3 and STAT5 proteins in normal human B cells", <u>FEBS Letters</u> , 393 (1), pp. 53-56, (Sept. 9, 1996)
PAR	Rolling, C., et al., "JAK3 associates with the human Interleukin 4 receptor and is tyrosine phosphorylated following receptor triggering", <u>Oncogene</u> , 10 (9), pp. 1757-1761, (May 4, 1995)
PAR	Rosette, C., et al., "Ultraviolet Light and Osmotic Stress: Activation of the JNK Cascade Through Multiple Growth Factor and Cytokine Receptors", <u>Science</u> , 274, pp. 1194-1197, (Nov. 15, 1996)
PAR	Rubin, E., et al., "Activation of the c-jun Protooncogene in Human Myeloid Leukemia Cells Treated With Etoposide", <u>Molecular Pharmacology</u> , 39 (6), pp. 697-701, (June 1991)

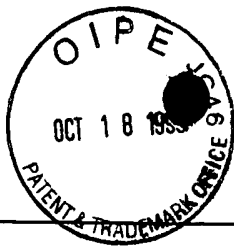
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\*\*Examiner  
Initial

PAR	Ryder, K., et al., "A Gene Activated by Growth Factors is Related to the Oncogene v-jun", <u>Proceedings of the National Academy of Sciences</u> , 85 (5), pp. 1487-1491, (March 1988)
PAR	Safford, M.G., et al., "JAK3: Expression and Mapping to Chromosome 19p12-13.1", <u>Experimental Hematology</u> , 25 (5), pp. 374-386, (May 1997)
PAR	Saouaf, S.J., et al., "Temporal Differences in the Activation of Three Classes of Non-transmembrane Protein Tyrosine Kinases Following B-cell Antigen Receptor Surface Engagement", <u>Proceedings of the National Academy of Sciences</u> , 91 (20), pp. 9524-9528, (Sept. 27, 1994)
PAR	Schutte, J., et al., "jun-B Inhibits and c-fos Stimulates the Transforming and Trans-Activating Activities of c-jun", <u>Cell</u> , 59 (6), pp. 987-997, (Dec. 22, 1989)
PAR	Sharfee, N., et al., "Jak3 Activation in Human Lymphocyte Precursor Cells", <u>Clinical and Experimental Immunology</u> , 108 (3), pp. 552-556, (June 1997)
PAR	Takata, M., et al., "Requirement of Phospholipase C- $\gamma$ 2 Activation in Surface Immunoglobulin M-induced B Cell Apoptosis", <u>The Journal of Experimental Medicine</u> , 182 (4), pp. 907-914, (Oct. 1, 1995)
PAR	Thomis, D.C., et al., "Defects in B Lymphocyte Maturation and T Lymphocyte Activation in Mice Lacking Jak3", <u>Science</u> , 270, pp. 794-797, (Nov. 3, 1995)
PAR	Tortolani, P.J., et al., "Regulation of JAK3 Expression and Activation in Human B Cells and B Cell Malignancies", <u>The Journal of Immunology</u> , 155 (11), pp. 5220-5226, (Dec. 1, 1995)
PAR	Tuel-Ahlgren, L., et al., "Role of Tyrosine Phosphorylation in Radiation-Induced Cell Cycle-Arrest of Leukemia B-Cell Precursors at the G2-M Transition Checkpoint", <u>Leukemia and Lymphoma</u> , 20 (5/6), pp. 417-426, (1996)
PAR	Uckun, F.M., et al., "Biotherapy of B-Cell Precursor Leukemia by Targeting Genistein to CD 19-Associated Tyrosine Kinases", <u>Science</u> , 267, pp. 886-891, (Feb. 10, 1995)
PAR	Uckun, F.M., et al., "BTK as a Mediator of Radiation-Induced Apoptosis in DT-40 Lymphoma B Cells", <u>Science</u> , 273, pp. 1096-1100, (Aug. 23, 1996)

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PAR  
R/R  
Uckun, F.M., et al., "Intrinsic Radiation Resistance of Primary Clonogenic Blasts from Children with Newly Diagnosed B-Cell Precursor Acute Lymphoblastic Leukemia", The Journal of Clinical Investigation, 91 (3), pp. 1044-1051, (March 1993)

Verheij, M., et al., "Requirement for Ceramide-Initiated SAPK/JNK Signalling in Stress-Induced Apoptosis", Nature, 380 (6569), pp. 75-79, (Mar. 7, 1996)

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